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| Form PTO-1449 (Substitute) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | Attorney Docket Number RAPT-01003US1 | Application/Patent Number 10/754,326 |
| <i>Information Disclosure Statement</i> BY APPLICANT <i>(Use several sheets if necessary)</i> | | Applicant/Patent Owner Jeffrey W. Carr | |
| | | Filing/Issue Date January 9, 2004 | Group Art Unit 3742 |

| U.S. PATENTS | | | | | | |
|------------------|---------------|------------|----------------------|-------|----------|-------------|
| Examiner Initial | Patent Number | Issue Date | First Named Inventor | Class | Subclass | Filing Date |
| | 3,264,508 | 08-02-1966 | Lai, et al. | 313 | 231.01 | 06-27-62 |
| | 3,830,428 | 08-20-1974 | Dyos, G | 239 | 11 | 02-22-73 |
| | 4,035,604 | 07-12-1977 | Maleka, et al. | 219 | 121.44 | 07-21-75 |
| | 4,050,408 | 09-27-1977 | Beucherie, P. | 118 | 723VE | 11-19-75 |
| | 4,306,175 | 12-15-1981 | Schleicher, et al. | 315 | 111.21 | 02-29-80 |
| | 4,339,326 | 07-13-1982 | Hirose, et al. | 204 | 298.38 | 11-19-80 |
| | 4,431,898 | 02-14-1984 | Reinberg, et al. | 219 | 121.43 | 09-01-81 |
| | 4,431,901 | 02-14-1984 | Hull, D. | 219 | 121.52 | 07-02-82 |
| | 4,439,463 | 03-27-1984 | Miller, S | 427 | 563 | 02-18-82 |
| | 4,440,556 | 04-03-1984 | Oh, et al. | 65 | 436 | 06-23-82 |
| | 4,440,558 | 04-03-1984 | Nath, et al. | 65 | 391 | 06-14-82 |
| | 4,674,683 | 06-23-1987 | Fabel, A. | 239 | 13 | 05-06-86 |
| | 4,689,467 | 08-25-1987 | Inoue, K. | 219 | 121.6 | 08-17-84 |
| | 4,863,501 | 09-05-1989 | Mansfield, R. | 65 | 391 | 06-30-88 |
| | 4,897,282 | 01-30-1990 | Kniscley, et al. | 427 | 446 | 08-23-88 |
| | 4,908,492 | 03-13-1990 | Okamoto, et al. | 219 | 121.52 | 05-05-89 |
| | 4,924,061 | 05-08-1990 | Labat, et al. | 219 | 121.52 | 06-10-88 |
| | 4,958,767 | 09-25-1990 | Labrot, et al. | 239 | 13 | 04-29-88 |
| | 5,000,771 | 03-19-1991 | Fleming, Jr., et al. | 65 | 391 | 12-29-89 |
| | 5,007,771 | 04-16-1991 | Fu, et al. | 405 | 128.75 | 02-26-90 |
| | 5,095,189 | 03-10-1992 | Frind, et al. | 219 | 121.47 | 09-26-90 |
| | 5,106,827 | 04-21-1992 | Borden, et al. | 505 | 480 | 02-05-91 |
| | 5,144,151 | 09-01-1992 | Thorne, et al. | 250 | 559.42 | 03-20-91 |
| | 5,200,595 | 04-06-1993 | Boulos, et al. | 219 | 121.52 | 04-12-91 |

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M:\MRobbins\wp\RAPT\1003US1\EFILIDS 01-10-2008\RAPT-01003US1-Supplemental-Information-Disclosure-Statement.wp

- 4 -

Examiner Signature: _____ ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.P./

| | | | |
|--|--|--|--|
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| U.S. PATENTS | | | | | | |
|------------------|---------------|------------|----------------------|-------|----------|-------------|
| Examiner Initial | Patent Number | Issue Date | First Named Inventor | Class | Subclass | Filing Date |
| | 5,206,471 | 04-27-1993 | Smith, D. | 219 | 687 | 12-26-91 |
| | 5,238,532 | 08-24-1993 | Zarowin, et al. | 216 | 67 | 02-27-92 |
| | 5,254,830 | 10-19-1993 | Zarowin, et al. | 219 | 121.43 | 05-07-91 |
| | 5,280,154 | 01-18-1994 | Cuomo, et al. | 219 | 121.52 | 01-30-92 |
| | 5,290,382 | 03-01-1994 | Zarowin, et al. | 156 | 345.35 | 12-13-91 |
| | 5,291,415 | 03-01-1994 | Zarowin, et al. | 700 | 188 | 12-13-91 |
| | 5,292,400 | 03-08-1994 | Mumola, P. | 216 | 71 | 03-23-92 |
| | 5,298,103 | 03-29-1994 | Steinberg, et al. | 156 | 345.43 | 07-15-93 |
| | 5,298,714 | 03-29-1994 | Szente, et al. | 219 | 121.48 | 12-01-92 |
| | 5,321,224 | 06-14-1994 | Kamimura, et al. | 219 | 76.15 | 03-07-91 |
| | 5,336,355 | 08-09-1994 | Zarowin, et al. | 156 | 345.39 | 12-13-91 |
| | 5,344,524 | 09-06-1994 | Sharma, et al. | 438 | 459 | 06-30-93 |
| | 5,346,578 | 09-13-1994 | Benzing, et al. | 156 | 345.48 | 11-04-92 |
| | 5,349,154 | 09-20-1994 | Harker, et al. | 117 | 102 | 12-17-92 |
| | 5,356,674 | 10-18-1994 | Henne, et al. | 427 | 449 | 03-30-93 |
| | 5,364,434 | 11-15-1994 | Sanghera, et al. | 65 | 30.1 | 09-30-92 |
| | 5,364,496 | 11-15-1994 | Bollinger, et al. | 216 | 67 | 08-20-93 |
| | 5,372,674 | 12-13-1994 | Steinberg, G. | 216 | 17 | 01-28-94 |
| | 5,375,064 | 12-20-1994 | Bollinger, L. | 700 | 188 | 12-02-93 |
| | 5,376,224 | 12-27-1994 | Zarowin, C. | 216 | 66 | 02-27-92 |
| | 5,386,119 | 01-31-1995 | Ledger, A. | 250 | 341.8 | 03-25-93 |
| | 5,405,480 | 04-11-1995 | Benzing, et al. | 156 | 345.48 | 07-11-94 |
| | 5,419,803 | 05-30-1995 | Mumola, P. | 216 | 38 | 11-17-93 |

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Attorney Docket No.: RAPT-01003US1

M:\MRobbins\wp\RAPT1003US1\EFileIDS 01-10-2008\RAPT-01003US1-Supplemental-Information-Disclosure-Statement.wpd

- 5 -

 Examiner Signature: ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.P./

| | | | |
|--|--|--|--|
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| U.S. PATENTS | | | | | | |
|------------------|---------------|------------|----------------------|-------|----------|-------------|
| Examiner Initial | Patent Number | Issue Date | First Named Inventor | Class | Subclass | Filing Date |
| | 5,429,730 | 07-04-1995 | Nakamura, et al. | 204 | 192.34 | 11-02-93 |
| | 5,430,355 | 07-04-1995 | Paranjpe | 315 | 111.21 | 07-30-93 |
| | 5,474,642 | 12-12-1995 | Zorina, et al. | 156 | 345.24 | 02-01-94 |
| | 5,503,677 | 04-02-1996 | Morsen, et al. | 118 | 723R | 11-15-94 |
| | 5,563,709 | 10-08-1996 | Poultney, S. | 356 | 613 | 09-13-94 |
| | 5,591,068 | 01-07-1997 | Taylor, J. | 451 | 104 | 03-15-95 |
| | 5,639,699 | 06-17-1997 | Nakamura, et al. | 427 | 527 | 04-11-95 |
| | 5,650,032 | 07-22-1997 | Keller, et al. | 156 | 345.48 | 06-06-95 |
| | 5,676,863 | 10-14-1997 | Jouvenel, et al. | 219 | 121.52 | 07-12-95 |
| | 5,680,382 | 10-21-1997 | Inoue, M. | 369 | 53.2 | 04-08-93 |
| | 5,688,415 | 11-18-1997 | Bollinger, et al. | 219 | 121.41 | 05-30-95 |
| | 5,767,627 | 06-16-1998 | Siniaguine, O. | 315 | 111.41 | 01-09-97 |
| | 5,795,493 | 08-18-1998 | Bukhman, et al. | 438 | 5 | 05-01-95 |
| | 5,811,021 | 09-22-1998 | Zarowin, et al. | 216 | 67 | 02-28-95 |
| | 5,811,022 | 09-22-1998 | Savas, et al. | 216 | 68 | 11-15-94 |
| | 5,863,829 | 01-26-1999 | Nakayoshi, et al. | 438 | 459 | 11-13-96 |
| | 5,877,471 | 03-02-1999 | Huhn, et al. | 219 | 121.49 | 06-11-97 |
| | 5,897,712 | 04-27-1999 | Hanawa, et al. | 216 | 68 | 07-16-96 |
| | 5,916,455 | 06-29-1999 | Kumagai, H. | 216 | 68 | 07-08-96 |
| | 5,925,266 | 07-20-1999 | Gagne, P. | 219 | 121.48 | 10-15-97 |
| | 5,932,293 | 08-03-1999 | Belashchenko, et al. | 427 | 446 | 03-29-96 |
| | 5,942,445 | 08-24-1999 | Kato, et al. | 438 | 691 | 03-25-97 |
| | 5,944,902 | 08-31-1999 | Redeker, et al. | 118 | 723AN | 06-16-98 |

U.S. Patent Application No. 10/754,326

Attorney Docket No.: RAPT-01003US1

M:\MRobbins\wp\RAPT\1003US1\EFfileIDS 01-10-2008\RAPT-01003US1-Supplemental-Information-Disclosure-Statement.wpd

- 6 -

Examiner Signature

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.P./

| | | | |
|--|--|--|--|
| Form PTO-1449 (Substitute) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | Attorney Docket Number RAPT-01003US1 | Application/Patent Number 10/754,326 |
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| U.S. PATENTS | | | | | | |
|------------------|---------------|------------|-----------------------|-------|----------|-------------|
| Examiner Initial | Patent Number | Issue Date | First Named Inventor | Class | Subclass | Filing Date |
| | 5,955,383 | 09-21-1999 | Hwang, Y. | 438 | 729 | 01-22-97 |
| | 5,961,772 | 10-05-1999 | Selwyn, G. | 156 | 345.39 | 01-23-97 |
| | 5,965,034 | 10-12-1999 | Vinogradov, et al. | 216 | 68 | 10-28-96 |
| | 5,981,392 | 11-09-1999 | Oishi, H. | 438 | 691 | 03-26-97 |
| | 5,998,757 | 12-07-1999 | Schneider, G. | 219 | 121.54 | 11-24-98 |
| | 6,004,866 | 12-21-1999 | Nakano, et al. | 438 | 459 | 02-28-97 |
| | 6,017,221 | 01-25-2000 | Flamm, D. | 438 | 14 | 05-30-97 |
| | 6,028,286 | 02-22-2000 | Wicker, et al. | 219 | 121.53 | 12-30-98 |
| | 6,030,489 | 02-29-2000 | Hwang, Y. | 156 | 345.26 | 07-01-99 |
| | 6,040,548 | 03-21-2000 | Siniaguine, O. | 219 | 121.48 | 11-25-98 |
| | 6,041,623 | 03-28-2000 | Fleming, Jr. | 65 | 391 | 08-27-98 |
| | 6,056,848 | 05-02-2000 | Daviet, J. | 156 | 345.48 | 09-10-97 |
| | 6,068,784 | 05-30-2000 | Collins, et al. | 216 | 68 | 04-01-93 |
| | 6,073,578 | 06-13-2000 | Shimm et al. | 118 | 723I | 12-04-98 |
| | 6,074,947 | 06-13-2000 | Mumola, P. | 438 | 689 | 07-10-98 |
| | 6,085,688 | 07-11-2000 | Lymberopoulos, et al. | 118 | 723I | 03-27-98 |
| | 6,093,655 | 07-25-2000 | Donohoe, et al. | 438 | 717 | 02-12-98 |
| | 6,105,534 | 08-22-2000 | Siniaguine, et al. | 118 | 723EB | 11-25-98 |
| | 6,139,678 | 10-31-2000 | Siniaguine, O. | 156 | 345.55 | 11-20-97 |
| | 6,143,129 | 11-07-2000 | Savas, et al. | 156 | 345.48 | 07-17-98 |
| | 6,153,852 | 11-28-2000 | Blutke, et al. | 219 | 121.59 | 02-12-99 |
| | 6,159,388 | 12-12-2000 | Yanagisawa, et al. | 216 | 60 | 01-26-98 |
| | 6,170,428 | 01-09-2001 | Redeker, et al. | 118 | 723I | 07-15-96 |

U.S. Patent Application No. 10/754,326

Attorney Docket No.: RAPT-01003US1

M:\MRobbins\wp\RAPT1003US1\EFileIDS 01-10-2008\RAPT-01003US1-Supplemental-Information-Disclosure-Statement.wpd

Examiner Signature

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.P./

| | | | |
|--|--|--|--|
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| U.S. PATENTS | | | | | | |
|------------------|---------------|------------|----------------------|-------|----------|-------------|
| Examiner Initial | Patent Number | Issue Date | First Named Inventor | Class | Subclass | Filing Date |
| | 6,194,036 | 02-27-2001 | Babayan, et al. | 427 | 563 | 10-20-98 |
| | 6,200,908 | 03-13-2001 | Vandamme, et al. | 438 | 719 | 08-04-99 |
| | 6,203,661 | 03-20-2001 | Siniaguine, et al. | 156 | 345.51 | 12-07-99 |
| | 6,209,480 | 04-03-2001 | Moslehi, M. | 118 | 7231 | 07-10-96 |
| | 6,214,161 | 04-10-2001 | Becker, et al. | 156 | 345.48 | 08-06-98 |
| | 6,228,330 | 05-08-2001 | Herrmann, et al. | 422 | 186.05 | 06-08-99 |
| | 6,229,111 | 05-08-2001 | McCay, et al. | 219 | 121.59 | 10-13-99 |
| | 6,238,587 | 05-29-2001 | Siniaguine, et al. | 216 | 59 | 11-25-98 |
| | 6,239,004 | 05-29-2001 | Aga, et al. | 438 | 455 | 08-18-98 |
| | 6,239,553 | 05-29-2001 | Barnes, et al. | 315 | 111.51 | 04-22-99 |
| | 6,245,202 | 06-12-2001 | Edamura, et al. | 204 | 298.06 | 10-08-98 |
| | 6,284,668 | 09-04-2001 | Imahashi, I. | 438 | 716 | 02-02-00 |
| | 6,312,554 | 11-06-2001 | Ye, Y. | 156 | 345.38 | 12-05-96 |
| | 6,388,225 | 05-14-2002 | Blum, et al. | 219 | 121.48 | 10-02-00 |
| | 6,534,921 | 03-18-2003 | Seo, et al. | 315 | 111.51 | 11-09-00 |
| | 6,683,272 | 01-27-2004 | Hammer, M. | 219 | 121.48 | 12-31-02 |
| | | | | | | |

| U.S. PATENT PUBLICATIONS | | | |
|--------------------------|---------------------------------------|------------------|---------------|
| Examiner Initial | Patent Application Publication Number | Publication Date | Applicant |
| | US-2001/0052257 A1 | 12-20-2001 | Magerle, R. |
| | US-2003/0230112 A1 | 12-18-2003 | Ikeda, et al. |
| | US-2004/0118348 A1 | 06-24-2004 | Mills, R. |

U.S. Patent Application No. 10/754,326

Attorney Docket No.: RAPT-01003US1

M:\MRobbins\wp\RAPT\01003US1\EFFileIDS 01-10-2008\RAPT-01003US1-Supplemental-Information-Disclosure-Statement.wpd

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Examiner Signature

Date Completed

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.P./

| | | | |
|--|--|--|--|
| Form PTO-1449 (Substitute) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | Attorney Docket Number RAPT-01003US1 | Application/Patent Number 10/754,326 |
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| U.S. PATENT PUBLICATIONS | | | |
|--------------------------|---------------------------------------|------------------|-------------|
| Examiner Initial | Patent Application Publication Number | Publication Date | Applicant |
| | US-2004/0173316 A1 | 09-09-2004 | Carr, J. |
| | US-2005/0018199 A1 | 01-27-2005 | LeBlanc, P. |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------|--------------|-------------------------------|-------|----------|------------------------------|--|
| Examiner Initial | Document Number | Country Code | Publication Date (mm-dd-yyyy) | Class | Subclass | Trans- lation Yes No | |
| | 5-135896 | JP | 06-01-1993 | C23C | 4/00 | | |
| | 9-115865 | JP | 05-02-1997 | H05H | 1/46 | | |
| | 9-69397 | JP | 03-11-1997 | G01N | 27/62 | | |
| | 10-298318 | JP | 11-10-1998 | H05H | 1/46 | | |
| | 2000-173994 | JP | 06-23-2000 | H01L | 21/302 | | |
| | 2000-174004 A | JP | 06-23-2000 | H01L | 21/302 | | |
| | 2000-183044 | JP | 06-30-2000 | H01L | 21/302 | | |
| | 2002-170815 | JP | 06-14-2002 | H05H | 1/46 | | |
| | 50-153024 | JP | 12-09-1975 | C03C | 25/00 | | |
| | 63-289798 | JP | 11-28-1988 | G01N | 21/73 | | |
| | 97/45856 A1 | WO | 12-04-1997 | H01J | 37/32 | | |

NON-PATENT LITERATURE DOCUMENTS

(Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, pages, volume-issue number(s), publisher, city and/ or country where published.

| | |
|--|--|
| | C.B. ZAROWIN, et al. "Rapid Non-Contact, Damage Free Shaping of Optical & Other Surfaces with Plasma Assisted Chemical Etching," 43 rd Annual Symposium on Frequency Control, 1989, IEEE, pp. 623-626 |
| | D. BOLLINGER, et al., "Rapid, Non-Contact Optical Figuring of Aspheric Surfaces with Plasma Assisted Chemical Etching (PACE)," SPIE, Vol. 1333, Advanced Optical Manufacturing and Testing, 1990, pp. 44-57 |

U.S. Patent Application No. 10/754,326

Attorney Docket No.: RAPT-01003US1

M:\MRobbins\wp\RAPT\1003US1\EFILIDS 01-10-2008\RAPT-01003US1-Supplemental-Information-Disclosure-Statement.wpd

- 9 -

Examiner Signature

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| NON-PATENT LITERATURE DOCUMENTS | |
|---|--|
| (Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, pages, volume-issue number(s), publisher, city and/ or country where published. | |
| | KULIKOVSKY, ANDREI A., "Production of Chemically Active Species in the Air by a Single Positive Streamer in a Nonuniform Field," IEEE Transactions on Plasma Science, Vol. 25, No. 3, June 1997, pp. 439-446 |
| | HIDEO TAKINO, et al., "Computer Numerically Controlled Plasma Chemical Vaporization Machining with a Pipe Electrode for Optical Fabrication," Applied Optics, Vol. 37, No. 22, August 1, 1998, pp. 5198-5210 |
| Examiner | /Mark Paschall/ |
| Date Considered | 03/30/2008 |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |
| <hr/> *1 = Copy not submitted because it was submitted in prior application SN ___/___, filed ____, 20__, relied on under 35 USC §120. **2 = Copy not submitted because it was submitted in prior application SN ___/___, filed ____, 20__, relied on under 35 USC §120. | |